

## ABSTRACT

In an embodiment of the invention, a method is presented to minimize the effect of pitch jitter in voicing determination of sinusoidal speech coders during voiced speech. In the method, the pitch of the input signal is normalized to a fixed value prior voicing determination in the analysis frame. After that, conventional voicing determination approaches can be used for the normalized signal. Based on experiments done, the method has been shown to improve the performance of sinusoidal speech coders during jittery voiced speech by increasing the accuracy of voicing classification decisions of speech signals.

09871085-053101